

AMENDMENTS TO THE CLAIMS

1. (Cancelled).

5 2. (Currently Amended). An electronic shower temperature display device which can be easily retrofitted onto an existing shower arm and showerhead assembly of a shower system for a water delivery system that consist of either a dependent or independent hot and cold controls prior to a mixing chamber, comprising:

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A) a temperature sensor-coupling unit having a substantially cylindrical shape with first and second ends, said first end having female threading and said second end having male threading, said first end being removably secured to said shower arm and said shower head being removably secured to said second end including a temperature sensor selected from the group consisting of a thermocouple, thermistor, a resistance temperature detector (RTD), an integrated circuit temperature sensor or a temperature to fluid pressure transducer;

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B) a panel support bracket comprising a cylindrical ring, and said sensor-coupling unit snugly fitting within said ring; and

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C) a temperature display adjustable display panel assembly including audible alarm means selected from the group consisting of an electromechanical buzzer, a piezo transducer or a speaker tone driven circuit and having a microprocessor-based circuitry with means to display real-time water temperature, said microprocessor-based circuitry

communicating with said temperature sensor by means of a removable conducting cable, said microprocessor-based circuitry housed within said adjustable display panel assembly, said adjustable display panel assembly further comprising a battery power source including an electric dry cell

- 5 battery communicating with and supplying power to said microprocessor-based circuitry, said adjustable display panel assembly further comprising conductivity sensor, connected to said microprocessor-based circuitry to monitor signals from said temperature sensor and said conductivity sensor there detecting the water temperature passing through said shower arm
- 10 and said showerhead assembly, said microprocessor-based circuitry including a programmable memory storage system used for retrieving multi-user temperature settings having at least one programmable predetermined temperature warning set to activate said audible alarm means.

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3. (Canceled).

4. (Canceled).

- 20 5. (Canceled).

6. (Canceled).

7. (Canceled).

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8. (Canceled).

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11. (Canceled).

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12. (Canceled).

13. (Canceled).

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15. (Canceled).

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